

## Kleppinger, Jeff

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**From:** Knudsen, Laura  
**Sent:** Wednesday, October 26, 2016 6:48 PM  
**To:** Barbara Quinn  
**Subject:** Follow-Up from 10/25/2016 Phone Discussion

Hi Barbara!

Thank you so much for chatting with me on the phone yesterday! Below is some additional information on the 85% risk question that we had discussed over the phone:

- The easiest way to understand/see the 85% reduction in risk is by comparing Alternative A (the current site-wide risk) with Alternative I's site-wide post construction risk in 3 figures from the Feasibility Study (FS), which can be found here: <https://semspub.epa.gov/src/document/10/840002>
  - **Figure 4.2-2** Residual Site-wide Human Health Cancer Risk and Acceptable Consumption Rates by Alternative (on page 561 of 650 in the document)
  - **Figure 4.2-4** Residual Site-wide Human Health Non-cancer Hazard and Acceptable Consumption Rates by Alternative (on page 567 of 650 in the document)
  - **Figure 4.2-6** Residual Site-wide Human Health Non-cancer Hazard (infant) and Acceptable Consumption Rates by Alternative (on page 573 of 650 in the document)

These figures show the risk associated with RAO 2 (Biota. reduce cancer and non-cancer risks to acceptable exposure levels (direct and indirect) for human consumption of COCs in fish and shellfish), which presents the greatest risk from the site. Alternative I proposes to cap/dredge 11% of the acreage of the site, which will address the areas with the highest contaminant concentrations and thereby reduce risk by at least 85% calculated as a relative percent difference between the post construction risk from Alternative I compared with Alternative A.

- Data to inform these risk calculations in the feasibility study is provided in the remedial investigation (<https://semspub.epa.gov/src/collection/10/SC34260>), which also includes the Baseline Human Health Risk Assessment in Appendix F (<https://semspub.epa.gov/src/document/10/687176>). The Baseline Human Health Risk Assessment analyzed different populations who fish in the site area and also collected & analyzed data regarding the fish species that are being consumed.

Thank you, Barbara & please let me know if you have any other questions!

Laura

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**Laura Knudsen**

U.S. Environmental Protection Agency | Superfund | Environmental Protection Specialist  
Tel 503-326-3280 | [knudsen.laura@epa.gov](mailto:knudsen.laura@epa.gov)

"Nothing great was ever achieved without enthusiasm" (Ralph Waldo Emerson)

Please Note: I am currently on detail to the EPA Region 10 office in Portland, Oregon until December 31, 2016. Thank you!

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